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NOTICE OF ALLOWANCE AND FEE(S) DUE

34610

7590

01/05/2010

KED & ASSOCIATES, LLP
P.O. Box 221200
Chantilly, VA 20153-1200

EXAMINER

RAMAN, USHA

ART UNIT

PAPER NUMBER

2424

DATE MAILED: 01/05/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/842,082

04/26/2001

Jac Kyung Lee

P-222

6941

TITLE OF INVENTION: TV AND CONTROL METHOD OF THE SAME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	04/05/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

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34610 7590 01/05/2010

**KED & ASSOCIATES, LLP
P.O. Box 221200
Chantilly, VA 20153-1200**

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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE-FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/842,082	04/26/2001	Jae Kyung Lee	P-222	6941

TITLE OF INVENTION: TV AND CONTROL METHOD OF THE SAME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	04/05/2010

EXAMINER	ART UNIT	CLASS-SUBCLASS
RAMAN, USHA	2424	725-110000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

2. For printing on the patent front page, list

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/147; Rev 03-02 or more recent) attached. Use of a **Customer Number is required.**

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, _____ 1
(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. _____ 2
_____ 3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY AND STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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09/842,082	04/26/2001	Jae Kyung Lee	P-222	6941
34610	7590	01/05/2010	EXAMINER	
KED & ASSOCIATES, LLP P.O. Box 221200 Chantilly, VA 20153-1200			RAMAN, USHA	
			ART UNIT	PAPER NUMBER

2424

DATE MAILED: 01/05/2010

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 862 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 862 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability**Application No.**

09/842,082

Examiner

USHA RAMAN

Applicant(s)

LEE ET AL.

Art Unit

2424

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 9-30-09.
2. ☒ The allowed claim(s) is/are 1,2,9,10,15,16,18,19,27 and 29.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date ____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date ____
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other ____.

/Christopher Kelley/
Supervisory Patent Examiner, Art Unit 2424

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with David Oren on December 23, 2009.

The application has been amended as follows:

Cancel claims 3-6, 8, 17, 24, 26, 30, 40 and 41.

Replace claim 1 with the following:

--A television (TV) reproducing video and audio signals by receiving a broadcast signal, comprising:

a storing unit for storing proper information of the TV, and contact information of a TV service site server, the proper information including a model name or a model number of the TV and the contact information comprising a URL of the TV service site server;

a network interface unit for facilitating two way communications between the TV service site server and the TV; and

a controlling unit for contacting the TV service site server by use of the contact information and transmitting the proper information to the TV service site server in

response to a checkup key input by a user, and the controlling unit for controlling display of a service menu received from the TV service site server through the network interface unit in response to contacting the TV service site server, the service menu including a function information menu and an error checkup menu of the TV,

wherein upon the user selecting the function checkup menu from the service menu, the controlling unit controls the display of the function information menu to provide information describing each function of the TV pertaining to the proper information in detail,

upon the user selecting the error checkup menu from the service menu, the controlling unit transmits an error item that occurred in the TV to the TV service site server through the network interface unit and in response the TV service site server transmits a list of errors pertinent to the proper information to the TV through the network interface unit only when the TV service site server has determined the error item to be non-fatal,

after receiving the list of errors from the TV service site server, upon the controlling unit determining that the error item is in the received list of errors and upon the TV service site server determining that the error item is automatically restorable, the controlling unit receives an error restoring information from the TV service site server based on the error item that occurred in the TV, wherein the controlling unit automatically restores the error item that occurred in the TV by setting data or state of the TV pertaining to the error item to a standard state based on the error restoring information, and

wherein when the TV service site server determines that the error item transmitted by the controlling unit through the network interface unit after the user selected the error checkup menu is a fatal error, the TV service site server requests a repair for the fatal error to a serviceman.--

Replace claim 2 with the following

--The TV according to claim 1, wherein upon the controlling unit determining that the error item is not in the list of errors, the controlling unit generates a new item about the error item that occurred in the TV and adds the new item to the list of errors, wherein the TV service site server determines whether the added new item is automatically restorable, and transmits error restoring information for the new item to the controlling unit through the network interface unit when it is determined to be automatically restorable,

wherein the controlling unit automatically restores the error item that occurred in the TV by setting data or state of the TV pertaining to the error item to a standard state based on the error restoring information for the new item transmitted by the TV service site server.--

Replace claim 10 with the following:

--In a television (TV) equipped with a storing unit for storing proper information of the television and contact information of a TV service site server, a control method performed by a controlling unit of the TV, comprising:

contacting a TV service site server through a network interface unit of the TV by referencing the contact information and transmitting the proper information to the TV service site server when a checkup key signal is input by a user, the proper information including a model name or a model number of the TV and the contact information comprising a URL of the TV service site server, and the network interface unit facilitating two way communications between the TV service site server and the TV;

receiving from the TV service site server through the network interface unit, a service menu corresponding to the proper information of the TV, the service menu including an error checkup menu and a function information menu from the TV service site server, the controlling unit controlling the display of the received service menu;

transmitting selection information according to a selection of the user from the received service menu to the TV service site server, wherein

upon a user selection of the function information menu from the service menu, the TV service site server transmits to the controlling unit of the TV, information describing each function of the TV pertaining to the proper information in detail,

upon a user selection of the error checkup menu from the service menu, the controlling unit transmits an error item that occurred in the TV to the TV service site server through the network interface unit and in response receives a list of errors pertinent to the proper information of the TV from the TV service site server only when the TV service site server has determined the error item to be non-fatal,

after receiving the list of errors from the TV service site server, upon the controlling unit determining that the error item is in the received list of errors and upon the TV service site server determining that the error item is automatically restorable, the controlling unit receives an error restoring information for the error item that occurred in the TV from the TV service site server, wherein the controlling unit automatically restores the error item by setting data or state of the TV pertaining to the error item to a standard state based on the error restoring information, and

wherein when the TV service site server determines that the error item transmitted by the controlling unit through the network interface unit after the user selected the error checkup menu is a fatal error, the TV service site server requests a repair for the fatal error to a serviceman.--

Replace claim 15 with the following:

--The control method of the TV according to claim 10, wherein the error restoring information includes measures for automatically restoring the data or state of a TV function pertaining to the error item that occurred in the TV.--

Replace claim 16 with the following:

--The control method of the TV according to claim 15, wherein upon the controlling unit determining that the error item is not in the list of errors, the controlling unit generates a

new item about the error item that occurred in the TV and adds the new item to the list of errors,

wherein the TV service site server determines whether the added new item is automatically restorable, and transmits error restoring information for the new item to the controlling unit through the network interface unit when it is determined to be automatically restorable, and

wherein the controlling unit automatically restores the error item that occurred in the TV by setting data or state of the TV pertaining to the error item to a standard state based on the error restoring information of the new item transmitted by the TV service site server.--

Replace claim 18 with the following:

--The control method of the TV according to claim 10, wherein after the controlling unit receives information describing each function of the TV pertaining to the proper information in detail from the TV service site server, upon selection of the function checkup menu, the controlling unit displays the received information by outputting a list of functions of the TV on a screen, and the controlling unit further displaying details of a function information requested by the user from the list of functions on the screen.--

Replace claim 27 with the following:

--A television (TV) reproducing video and audio signals by receiving a broadcast signal, comprising:

a storing unit for storing TV information of the TV, and contact information of a TV service Internet site, the TV information including a model name or a model number of the TV and the contact information comprising a URL of the TV service Internet site;

a network interface unit for facilitating two way communications between the TV service Internet site and the TV; and

a controlling unit for contacting the TV service Internet site by use of the contact information and transmitting the TV information to the TV service Internet site in response to a checkup key input by a user, and the controlling unit for controlling display of a service menu received from the TV service Internet site through the network interface unit in response to contacting the TV service Internet site, the service menu including a function information menu and an error checkup menu of the TV, wherein

upon the user selecting the function checkup menu from the service menu, the controlling unit controls the display of the function information menu to provide information describing each function of the TV pertaining to the TV information in detail,

upon the user selecting the error checkup menu from the service menu, the controlling unit transmits an error item that occurred in the TV to the TV service Internet site through the network interface unit and in response the TV service Internet site transmits a list of errors pertinent to the TV information to the TV through the network interface unit only when the TV service Internet site has determined the error item to be non-fatal,

after receiving the list of errors from the TV service Internet site, upon the controlling unit determining that the error item is in the received list of errors and upon the TV service Internet site determining that the error item is automatically restorable, the controlling unit receives an error restoring information from the TV service Internet site based on the error item that occurred in the TV, wherein the controlling unit automatically restores the error item that occurred in the TV by setting data or state of the TV pertaining to the error item to a standard state based on the error restoring information, and

wherein when the TV service Internet site determines that the error item transmitted by the controlling unit through the network interface unit after the user selected the error checkup menu is a fatal error, the TV service Internet site requests a repair for the fatal error to a serviceman.--

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to USHA RAMAN whose telephone number is (571)272-7380. The examiner can normally be reached on Mon-Fri: 8am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christopher Kelley can be reached on (571) 272-7331. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Christopher Kelley/
Supervisory Patent Examiner, Art
Unit 2424

/Usha Raman/